

JP 04-247,233
[Claims only, as requested]

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Claim

1. An adsorbent molding containing activated carbon fibers,
silver-deposited activated carbon or zeolite, and a binder.

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DIALOG(R)File 351:DERWENT WPI

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Adsorbent moulding having sterilising power - contg. active "carbon"@
"fibres", silver@-deposited active "carbon"@ or zeolite and binder

Patent Assignee: OSAKA GAS CO LTD (OSAG)

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No Kind Date Applicat No Kind Date Main IPC Week

JP 4247233 A 19920903 JP 9135682 A 19910204 B01J-020/20 199242 B

Priority Applications (No Type Date): JP 9135682 A 19910204

Patent Details:

Patent Kind Lan Pg Filing Notes Application Patent

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Abstract (Basic): JP 4247233 A

A new adsorbent moulding contains active "carbon" "fibres",
Ag-deposited active "carbon" or zeolite, and a binder.

USE/ADVANTAGE - Used for city water treatment. Chlorine odour can
be removed from city water. Propagation of "bacteria" can be also
suppressed.

In an example, a slurry was prepd. by blending 8 pts.wt. of
Ag-loaded active "carbon", 87 pts.wt. of active "carbon" "fibres"
pitched-derived having 1000 m2/g surface area, 5 pts.wt. of a binder of
polyacrylonitrile short "fibres" 1-3mm long, and 2000 pts.wt. of water;
the slurry was sucked through a moulding die having a number of small
holes to obtain a moulding of the mixt.; the moulding was dried at 140
deg.C for 2 hrs. An adsorbent moulding weighed 3.2g having 1380 m2/g
surface area was obtd. A test water contg. 60 cells/ml of colon bacilli
was passed through the adsorbent moulding at a rate of 1ml/min.; the
water treated was added to a culture base and cultured; only 5400
CFU/ml of colon bacilli were counted in the wa

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Derwent Class: A97; D15; J01; P34

International Patent Class (Main): B01J-020/20

International Patent Class (Additional): A61L-002/16; "C02F-001/28";
"C02F-001/50"